

FIRE TECHNICIAN I STUDY GUIDE
FOR JEFFERSON FPD #1

A written exam for the class of **FIRE TECHNICIAN I** to be administered in **JEFFERSON F.P.D.** on **AUGUST 27, 2009**, will consist of approximately **100** multiple-choice questions. The examination will test your knowledge in the following areas:

SUBJECT AREAS	# OF QXS. ON EXAM	% OF QXS. ON EXAM
READING COMPREHENSION	13	13%
ENGLISH USAGE AND GRAMMAR	13	13%
PROBLEM SOLVING/ PRIORITIZING	25	25%
MATHEMATICS	13	13%
BUILDING CONSTRUCTION	28	28%
MECHANICAL APTITUDE	8	8%

Reading Comprehension

This section is designed to test your ability to read and comprehend materials such as manuals, procedure sheets, reports, and instructions. You will be given excerpts from reading material and asked to answer questions based upon what you have read.

English Usage and Grammar

An important part of a fire technician's job is communicating both orally and on paper. This section is designed to evaluate your ability to recognize and use correct English. You will be given excerpts from poorly written reports, and will be asked to select the one revision which is the "most objective, accurate, concise, and grammatically correct."

Problem Solving/Prioritizing

Problem Solving: A fire technician must have the ability to analyze information (determine relationships between items or to recognize patterns) in order to identify problems and appropriate solutions. Each question in this section consists of a series of three different but related figures. You should determine how these figures are related and then decide which figure should be next (fourth) in the series.

Prioritizing: Sometimes a fire technician will be confronted with a situation that requires him to make a decision as to what to do first, or what should receive top priority. Each question in this section consists of four problem situations which a fire technician might encounter. You should review the choices carefully and then select the one which should be handled first. You should also assume that you are required to attend to and deal with each of the situations personally, and that you cannot deal with two situations at the same time.

Mathematics

Frequently a fire technician has to use simple mathematical calculations in the work setting. The questions in this section test your knowledge of basic mathematical operations and your ability to perform calculations accurately.

Building Construction

A fire technician must have knowledge of basic principles of building construction.

Mechanical Aptitude

A fire technician must possess the aptitude for learning and applying mechanical principles involved in using tools, equipment, and machinery, and in understanding the principles of building construction. The questions in this section evaluate your understanding of basic mechanical and structural concepts. A fire technician must also have skill in observing conditions sufficient to identify and report with accuracy, physical characteristics, events, and outcomes.

The local civil service board should make this study guide available to all applicants in whatever manner the board deems appropriate.

While there are no provisions requiring this office to provide study guides for any competitive or promotional examinations, such material will be provided as a service to assist applicants in preparing for an examination. The State Examiner's office has no control whatsoever over the local availability of reference material, nor do we feel constrained to limit examination questions to the material which is available locally. Examination content, weighting of subject areas, and length of examination, may vary with each administration of an examination to reflect any updated job analysis information. Percentages and numerical estimations are provided as approximations.